

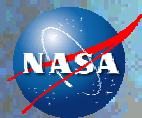
Instrument Synthesis and Analysis Laboratory

Orbiting Wide-angle Light-collectors (OWL)

Introduction

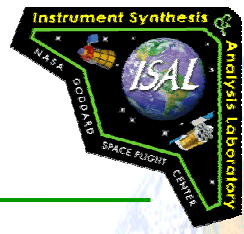
Jennifer Medlin Bracken

18 January 2002



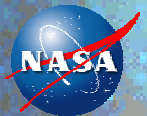
NASA GODDARD SPACE FLIGHT CENTER

Agenda



Instrument Synthesis and Analysis Laboratory

- | | |
|--------------------|------------------|
| • Introduction | Jennifer Bracken |
| • Science Overview | H. John Wood |
| • Systems | Mike Roberto |
| • Electro-Optical | Eric Young |
| • Optics | Dennis Evans |
| | Scott Antonille |
| • Mechanical | Rodger Farley |
| | Dave Palace |
| | Mick Correia |
| • Structural | Jeff Bolognese |
| • Thermal | Charles Baker |
| • Electrical | Paul Earle |
| • Mission Success | Dick Bolt |
| • Orbital Debris | Jim Anderson |
| • Closing Comments | Jennifer Bracken |



Study Objectives

Instrument Synthesis and Analysis Laboratory

- Implementation of optics
- Design of “Jiffy Pop” micro-meteor/light shield
- Atmospheric transmission characterization
 - Not addressed in detail
 - Outside of scope of study
 - In agreement with customer
- Signal to background analysis
- Mechanical packaging
 - Deployment of optics
 - Fit into ELV shroud
- Goddard MICM-TRL Costing Estimate